

WE CLAIM:

5 1. A moist wax-impregnated towelette comprising a substantially low-lint fabric sheet substantially uniformly impregnated with an aqueous silicone-based car wax emulsion comprising a silicone oil, an amino functional silicone, a wax, isopropanol, a nonionic emulsifier, a cationic emulsifier, an antistatic agent and a silicone polyether wetting agent.

2. The wax-impregnated towelette of claim 1 wherein the fabric sheet comprises melt-blown polypropylene.

10 3. The wax-impregnated towelette of claim 1 wherein the fabric sheet is impregnated with an amount of aqueous silicone-based car wax emulsion in the range of about 30 to about 170 grams of emulsion per square meter of fabric.

15 4. The wax-impregnated towelette of claim 3 wherein the fabric sheet is impregnated with an amount of aqueous silicone-based car wax emulsion in an amount of about 140 grams of emulsion per square meter of fabric.

20 5. The wax-impregnated towelette of claim 1 wherein the aqueous silicone-based car wax emulsion comprises about 90 to about 97 weight percent water.

6. A wax-impregnated towelette comprising a substantially low-lint fabric sheet impregnated with an aqueous silicone-based car wax emulsion comprising:

- 25 a) about 1 to about 5 weight percent isopropanol;
b) about 0.5 to about 1 weight percent silicone oil;
c) about 0.01 to about 1 weight percent amino-functional silicone;
d) about 0.001 to about 0.15 weight percent wax;
e) about 0.05 to about 0.15 weight percent cationic emulsifier;
f) about 0.01 to about 0.08 weight percent of a nonionic
30 emulsifier;
g) about 0.01 to about 0.1 weight percent antistatic agent; and

h) about 0.05 to about 0.5 weight percent silicone polyether wetting agent.

7. The wax-impregnated towelette of claim 6 wherein the fabric sheet comprises melt-blown polypropylene.

5 8. The wax-impregnated towelette of claim 6 wherein the fabric sheet is impregnated with an amount of aqueous silicone-based car wax emulsion in the range of about 30 to about 170 grams of emulsion per square meter of fabric.

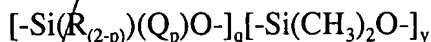
10 9. The wax-impregnated towelette of claim 8 wherein the low-lint fabric sheet is impregnated with an amount of aqueous silicone-based car wax emulsion in an amount of about 140 grams of emulsion per square meter of fabric.

15 10. The wax-impregnated towelette of claim 6 wherein the silicone oil is a polydimethylsiloxane having a viscosity in the range of about 10 to about 60,000 centistokes.

11. The wax-impregnated towelette of claim 10 wherein the silicone oil is a polydimethylsiloxane having a viscosity in the range of about 10 to about 5000 centistokes.

20 12. The wax-impregnated towelette of claim 6 wherein the silicone oil is a polydimethylsiloxane having a viscosity in the range of about 10 to about 1000 centistokes.

25 13. The wax-impregnated towelette of claim 6 wherein the amino-functional silicone is a polymer comprising repeating units represented by the general formula:



wherein Q represents the radicals:

30 $\text{R}'_2\text{N}-\text{R}''$ -, $\text{R}'_2\text{N}-\text{R}''-\text{N}(\text{R}')-\text{R}''$ - and $\text{R}'_2\text{N}-\text{R}''-\text{O}-\text{R}''$ -

SUB
a7

R is C₁ - C₁₈ alkyl or C₆ - C₁₀ aryl; R' represents hydrogen or monovalent hydrocarbon radicals having 1 to about 18 carbon atoms; R" is a substituted or unsubstituted divalent C₁ - C₁₈ hydrocarbon radical, a substituted or unsubstituted divalent alkyleneoxy group in which the oxygen provides an ether linkage, or an unsaturated divalent C₄ - C₁₈ hydrocarbon radical; p is number having a value in the range of about 1 to about 2; q is a number having value in the range of about 1 to about 2000; and y is a number having value in the range of about 0 to about 2000; with the proviso that the sum of q and y is at least about 15.

14. The wax-impregnated towelette of claim 6 wherein the wax is selected from the group consisting of a vegetable wax, a mineral wax, an animal wax, a silicone wax, and a mixture thereof.

15. The wax-impregnated towelette of claim 6 wherein the cationic surfactant is selected from the group consisting of an amine, an aliphatic or rosin amine ethoxylate, an amidoamine, a quaternary ammonium salt, and a mixture thereof.

16. The wax-impregnated towelette of claim 6 wherein the silicone polyether wetting agent is a block copolymer of polyalkylene oxide and polydimethylsiloxane.

17. The wax-impregnated towelette of claim 16 wherein the polyalkylene oxide is polyethylene oxide.

18. The wax-impregnated towelette of claim 6 wherein the silicone oil and the amino-functional silicone are present in the aqueous silicone-based car wax emulsion in a weight ratio in the range of about 1:1 to about 10:1.

19. The wax-impregnated towelette of claim 18 wherein the weight ratio of silicone oil to amino-functional silicone is about 6:1

20. The wax-impregnated towelette of claim 6 wherein the silicone oil and the silicone polyether wetting agent are present in the aqueous silicone-based car wax emulsion in a weight ratio in the range of about 2:1 to about 5:1.

21. The wax-impregnated towelette of claim 20 wherein the weight ratio of silicone oil to silicone polyether wetting agent is about 3:1.

5 UB
a'7

22. The wax-impregnated towelette of claim 6 wherein the silicone oil and the cationic emulsifier are present in the aqueous silicone-based car wax emulsion in a weight ratio in the range of about 5:1 to about 10:1.

5 23. The wax-impregnated towelette of claim 22 wherein the weight ratio of silicone oil to cationic emulsifier is about 8:1.

24. The wax-impregnated towelette of claim 6 wherein the silicone oil and the nonionic emulsifier are present in the aqueous silicone-based car wax emulsion in a weight ratio in the range of about 10:1 to about 30:1.

10 25. The wax-impregnated towelette of claim 24 wherein the weight ratio of silicone oil to nonionic emulsifier is about 20:1.

26. The wax-impregnated towelette of claim 6 wherein the aqueous silicone-based car wax emulsion has a water content of about 90 to about 97 weight percent.

15 27. The wax-impregnated towelette of claim 6 wherein the aqueous silicone-based car wax emulsion further comprises up to about 15 weight percent of additional components selected from the group consisting of neutralizing agents, UV absorbers, solvents, preservatives, fragrances, anti-foaming agents and polishing agents.

20 28. An article of manufacture comprising a moist wax-impregnated towelette in packaged form, wherein the wax-impregnated towelette comprises a low-lint fabric sheet impregnated with an aqueous silicone-based car wax emulsion comprising a silicone oil, an amino-functional silicone, a wax, isopropanol, a nonionic emulsifier, a cationic emulsifier, an antistatic agent and a silicone polyether wetting agent.

25 29. The article of manufacture of claim 28 wherein an individual moist wax-impregnated towelette is packaged in a single-use, substantially hermetically-sealed, disposable pouch.

30 30. The article of manufacture of claim 28 wherein a plurality of moist wax-impregnated towelettes are packaged in a re-sealable, moisture-tight, dispensing container.

31. The article of manufacture of claim 28 comprising a continuous roll of low-lint fabric impregnated with an aqueous silicone-based car

SUB
a17

wax emulsion comprising a silicone oil, an amino-functional silicone, a wax, isopropanol, a nonionic emulsifier, a cationic emulsifier, an antistatic agent and a silicone polyether wetting agent, packaged in a re-sealable dispensing container.

32. The article of manufacture of claim 31 wherein the dispensing container comprises a cutting aid adapted for cutting portions of the roll into individual sheets.

33. The article of manufacture of claim 31 wherein the continuous roll is perforated across the width of the role at regular intervals along the length of the roll.

5

SUB
a1

10

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100